



# Fact Sheet – Water Quality Parameters

for Follow-Up Monitoring

(Ver 1.1 May 31, 2017)

## Introduction

- Follow-up Water Quality Parameter (WQP) monitoring is applicable to Community and Nontransient Noncommunity Water Systems that have installed Corrosion Control Treatment (CCT) for the purpose of reducing levels of lead and/or copper.
- The Follow-up WQP monitoring results will help the system and the State determine whether CCT is optimized following installation prior to setting optimal WQP values [40 CFR 141.87].
- Follow-up WQP monitoring is required for 2 consecutive months following the installation of CCT to determine optimal values.

## Sample Sites:

- Entry Point to the Distribution System (EPTDS):
  - Each EPTDS with CCT
  - Active interconnections with CCT
  - Only those active during the monitoring period
- Distribution System (DS):
  - Representative sites throughout the DS
  - The number of sites required is based on the population (see Table)
  - Site selection should be in accordance with NJDEP guidance

Residential Population	Number of DS Sites
>100,000	25
10,001 to 100,000	10
3,301 to 10,000	3
501-3,300	2
101 to 500	1
<100	1

Sample Point	Required Parameters	Frequency
<b>EPTDS:</b>	<ul style="list-style-type: none"> <li>pH</li> <li>Alkalinity (Only if adjusted)</li> <li>Orthophosphate (as P) and/or Silica (Only when an inhibitor containing one of these compounds is used.)</li> <li>Calcium (Only if adjusted)</li> <li>Dosage rate and concentration of any CCT chemical feed</li> </ul>	<ul style="list-style-type: none"> <li>• Biweekly (1 sample at least every 14 days)</li> </ul>
<b>DS:</b>	<ul style="list-style-type: none"> <li>pH</li> <li>Alkalinity</li> <li>Orthophosphate (as P) and/or Silica (Only when an inhibitor containing one of these compounds is used.)</li> <li>Calcium (Only if adjusted)</li> </ul>	<ul style="list-style-type: none"> <li>• 2 consecutive 6-month periods starting Jan 1 or Jul 1.</li> <li>• 2 sets of samples from each site on different days in each period.</li> <li>• Recommend collecting 1 set/quarter.</li> </ul>

## Who Can Collect WQPs?

- WQP samples may be collected by a NJ certified drinking water laboratory or by an Approved Party, provided the samples are analyzed according to the methods in 40 CFR 141.23 (k)(1).
- An Approved Party is a “person acceptable to the state” and may be a licensed operator or someone trained by a licensed operator. If an Approved Party conducts the monitoring and analyses, proper calibrations and recordkeeping of all QAQC tasks must be kept on site and made available upon request.
- All WQP analytical results collected and analyzed by a certified lab shall be submitted electronically via E2. If the analysis is conducted by an Approved Party, the WQP analytical results shall be entered onto the *WQP Monitoring Report Form for Approved Party* and emailed to [watersupply@dep.nj.gov](mailto:watersupply@dep.nj.gov).

## Optimal Water Quality Parameters

After the completion of follow-up monitoring, recommended optimal values must be submitted to the State within **30 days** using the *Optimal Water Quality Control Parameter Recommendation Form* (BWSE-LC03). The State will then designate minimum values that the system must maintain at both the EPTDS and throughout the DS. Optimal WQP monitoring is required to begin January 1<sup>st</sup> or July 1<sup>st</sup> immediately following setting optimal WQP minimal values.

## Additional Resources:

**DEP Lead in Drinking Water - Public Water System Information Including WQP Guidance:**

<http://www.nj.gov/dep/watersupply/dwc-lead-public.html>

**Referenced Regulatory forms and directions:** <http://www.nj.gov/dep/watersupply/dws-sampreg.html>.

**EPA WQP Compliance:** <http://www.state.nj.us/dep/watersupply/pdf/wqp-guidance.pdf>

**EPA Optimal CCT Evaluation:** [www.epa.gov/sites/production/files/2016-03/documents/occtmarch2016.pdf](http://www.epa.gov/sites/production/files/2016-03/documents/occtmarch2016.pdf)

For further assistance, please contact the Bureau of Water System Engineering at

609-292-2957 or [watersupply@dep.nj.gov](mailto:watersupply@dep.nj.gov)